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This guide is divided into four parts: 1) priority areas and cities associated with missile activity, 2) specific plants and installations possibly associated with missile activity, 3) types of sources from which missile information most probably can be obtained, and 4) a general resume of the types of information that should be available from [redacted] and which would be highly significant to the missile intelligence community.

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**A. Priority Areas and Cities associated with missile activity in Kazakh SSR.**

**1. Areas**

Central Kazakhstan from Vladimirovka and Kapustin Yar on the Volga to Lake Balkhash Northwest Caspian Sea areas.

Kayl Ordinskaya Oblast  
Kurgandinskaya Oblast  
Dzhambulskaya Oblast  
Kuzakhatarskaya Oblast

**2. Cities**

a. Akmolinsk	q. Karagandy
b. Aktubinsk	r. Kazalinsk
c. Aralst	s. Khostkhat
d. Bantino	t. Kayl Ords
e. Chinkast	u. Lagovay
f. Chirchik	v. Mointy
g. Dzhalagash	w. Novokazakhstan
h. Dzhambul	x. Rulius
i. Dzherkagan	y. Sary-Shegash (46°37'N 53°30'E)
j. Dzhusaly	z. Sarytash
k. Fort Shevchenko	aa. Tashauz
l. Frunze	ab. Tashkent
m. Ourev	ac. Tyurater
n. Kamyshin	ad. Uspenski
o. Kapustin Yar	ae. Urgench
p. Karaganda	
af. Vladimirovka	

**B. Specific plants and installations possibly associated with missile related activity.**

1. Plants

- a. Chirchik Electro Chemical Combine
- b. Chirchik Agricultural Machine Building Plant
- c. Frunze Agricultural Machine Building Plant
- d. Frunze Instrument Factory
- e. Tashkent Transport Aircraft Plant No. 34
- f. Tashkent Bearing Plant
- g. Tashkent Agricultural Machine Plant
- h. Tashkent Hydrogeological Instrument Plant
- i. Tashkent Electrical Plant
- j. Tashkent Heavy Machine Building Plant

2. Installations

- a. New construction in the cities or towns listed above.
- b. Restricted areas, particularly areas surrounded by double security fence.
- c. Airfields at above-mentioned cities where applicable.

C. Types of sources from which missile information most probably can be obtained.

- 1. Construction workers
- 2. Railroad workers
  - a. Engineers
  - b. Conductors
  - c. Track workers
  - d. Communication workers
- 3. Any personnel working at the specifically named factories
- 4. Persons who have lived close to rail sidings or along the railroad between Aralsk and Kyzylorda
- 5. Power plant workers
- 6. Telephone operators
- 7. Airfield construction workers
- 8. Any source whose work or avocation required that he travel the Aralsk-Tashkent RR line frequently
- 9. Hunters and fishermen from these areas
- 10. Any intelligent, observing individual regardless of education, vocation or avocation, who has knowledge on the areas and installations listed above.

D. General resume of the types of information that should be available

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Information derived as the result of direct observation, conversation or newspaper reading or radio say, although seemingly insignificant or unimportant, be relateable to the broad subject of missiles, rockets and earth satellites. Such general types of information have been covered in the questions which follow and should serve to identify the desired areas of interest. The missile program involves many varied activities, people and developments including those associated with research and development, production, training, military deployment and flight testing. Information on activities within any area is valuable in itself and could also indicate important inter-relationships within the program. Movements of personnel and equipment throughout Kazakhstan (SSR) is widespread and subject to casual detection. Identification of people, installations, geographic areas, military organizations, and related construction activity are of particular interest. Rail movements, schedules or construction, should be considered as extremely important. Travel by rail, air or road should have provided sources with particular opportunities to acquire information on much of the activity discussed.

1. Military Organization - changes in command structure, creation of new forces or arms of a particular service, identification of personnel or branch of service (with missiles or rockets), dissolution of any military organization or part thereof, creation of new or special training establishments.
2. Military Activity - identify all known military units, establishments, personnel, and/or facilities in the area; have new or special military entertainment facilities (theaters, TV, etc.) been created; where are military personnel trained -- is training periodic; that is, in occasional groups.

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Report any knowledge of a person in military service transferred or assigned to a special purpose unit or special training (such as a technical school) which may be associated with missiles or rockets. Give particulars as location, field post number, date, duration of training, specific military service involved leading Soviet personnel and names of all persons taking training.

Describe local anti-aircraft defense structure -- guns, missiles, unit identification, locations, arrangement (use city as center point), motor vehicles associated, uniform and insignia descriptions -- also report nonexistence or removal of any defense measures.

3. Military Airfields - identify or describe aircraft types, storage areas which are protected by revetments or underground and which are highly secured, slit or trench-type aircraft loading facilities at field, all objects suspended below wings or fuselage of aircraft (describe or sketch), runway length (particularly extension thereof).

4. Electronic Installations - locate, describe or sketch antenna configurations, and provide any possible association such as with AA sites, military bases, aircraft detection system. Particular attention to all mobile radar equipment either road vehicle or train mounted. All small, isolated and camouflaged ground radar sites are of interest.

5. Communications - identify and locate all areas in which new or expanded communication facilities have been or are being introduced. Include radio, microwave, forward scatter and underground cable systems. Radio communications may be indicated by tall transmitting towers and stick or lattice-type masts with wire supporting poles. Microwave relay communications will be indicated by parabolic reflectors (usually 5 to 20 feet in diameter) or rectangular reflectors on lattice-type towers. Forward scatter radio communications will be indicated by extremely large groundbased parabolic or concave rectangular radio reflectors.

6. Local Industry - are any notable for having: changed subordination or production, expanded facilities, received new equipment, increased work force or shifts, dropped from press appearances, been redesignated or relocated, increased security or advertised for workers in new or different scientific or technical fields or skills. Have new ministers, committees, councils, directorates or any other form of control authority been created, replaced, redesignated, rewards or disappeared? Above refers to military, scientific, technical, industrial and/or financial organizations.

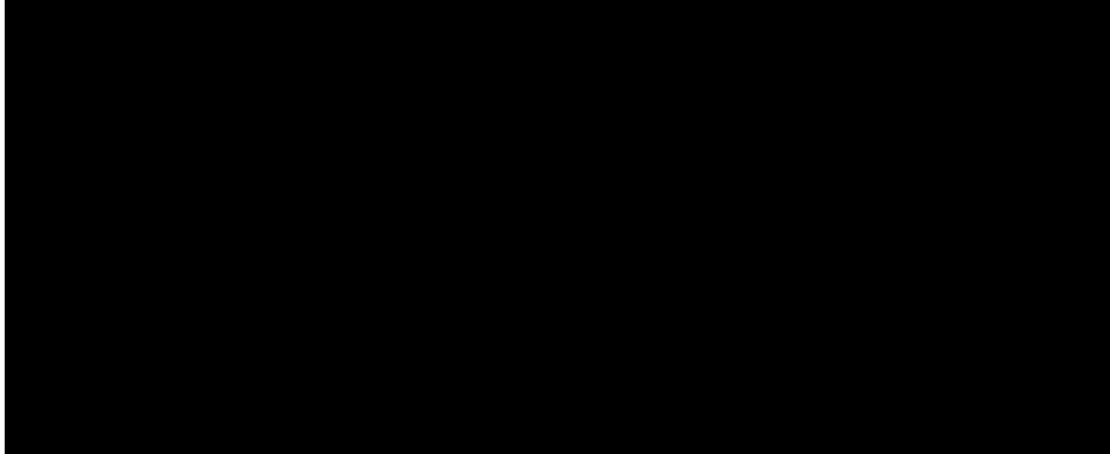
7. Awards or Recognitions - to any individual, plant, research institute, design bureau, school or academy for performance of duties which might be described as being in the field of missiles, rockets, interplanetary communications or investigation, new weapons or weapon technology, or for contributions to the military or national defense.

8. Populated Area Changes - have civilian population been removed from any local areas; have any new population groups been moved in the area (from where); have administrative centers such as rayon centers been changed, moved or relocated; has military population increased or decreased?

9. Construction Activity - any new or recent military construction activity particularly if rail served; any evidence of military, railroad or subway construction units in area; and advertisements for above types of construction workers.

10. Railroad Activities - any identification of new lines or improvements of old for heavy duty traffic; any changes in schedules; any advertisements for railroad construction workers; any rail equipment plant expansion or new facilities for same.

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Report all instances in which there is siding or rescheduling of a regular train to allow through traffic of special or military trains. Give type of train, date and location.

11. Industrial Activity

A variety of technical specialists and skilled workers are involved in a missiles program. (Report knowledge of recruitment of such workers for special assignments. Indicate skill involved, location of work, purpose, and any associated incentive.)

Identify electronic and precision mechanism or other installations which include environmentally-controlled fabrication or production areas (such as air-conditioned rooms, dust-free areas, and humidity controls).

Report plants or installations at which machinists wear goggles and protective clothing such as asbestos gloves for machinery operations on which protection is usually unnecessary. This may

\* See CIA/ME/MR-223, "Draft Collection Planning Aid on the Soviet ICBM Program," 4 Apr 58, pp. 49-79 and illustrated appendices.

indicate use of harder metals, more brittle and hotter when lathed, drilled or milled.

Report introduction into secure installations of heavy or peculiar milling and extruding equipment.

Report installations using large metal containers for military shipments, containers approximately 4-5 meters length and 1-2 meters in width.

Report sightings of installations utilizing liquid containers or tank cars which have special insulation or refrigeration, special handling instructions and/or warning/caution instructions.

Report all installations with hydrostatic test towers -- heavily constructed, 20-30 meters high for test of body or tank sections of large rockets and missiles. May be located inside a plant building or outside by itself.

Report all loud noises which start as a boom followed by a one to two minute roar indicating rocket engine tests. Give location and duration of noise.

Report all explosions.

#### 12. General Observations

Report new construction of an extensive nature (wide area and long duration of time) under high security, in generally undeveloped areas and with special construction units (probably military).

Report geodetic or topographical land survey teams operating in remote areas.

Report rumors or knowledge of blast resistant construction or underground buildings or extraction in remote areas.

Report restrictions on travel to or past specific areas. Indicate where restricted areas are new or increased over a general area. Indicate areas of special security during air or rail trips. In what areas are Soviet police or military sensitive to rail or air observation?

List all production plants and research institutes which are not subordinate to the local Sovnarkhoz.

Report indications of secret or military work introduced into plants or installations. Specify installation and date secret work was introduced.

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Report installations with frequent visits or inspections by important persons, especially service personnel. Specify branch of service.